

MediGene Aktiengesellschaft

M26779PCTUS

We claim:

Sub. B

1. Medicament for the avoidance or treatment of human papillomavirus (HPV)-specific tumour comprising at least one fusion protein from at least one L1 protein of one or more papillomaviruses and at least one E protein of one or more papillomaviruses and, if appropriate, suitable additives and/or excipients, wherein the fusion protein contains no papillomavirus-unspecific epitopes.

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2. Medicament according to Claim 1, wherein the tumour is a carcinoma of the larynx, cervix, penis, vulva or anus.

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3. Medicament according to Claim 1, wherein the medicament contains no adjuvant.

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4. Medicament according to Claim 1, wherein the additive or excipient is about 0.3 to about 4 M of a salt having a pH of about 7.3 to about 7.45.

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5. Medicament according to Claim 4, wherein the salt is an alkali metal or alkaline earth metal salt.

6. Medicament according to Claim 4, wherein the pH is adjusted using a buffer.
7. Medicament according to Claims 1, wherein the L1 protein is a deleted L1 protein.
8. Medicament according to Claim 7, wherein the L1 protein is a C-terminally deleted L1 protein.
- 10 9. Medicament according to Claim 7, wherein up to about 35 amino acids are deleted from the L protein.
- 10 10. Medicament according to Claim 1, wherein the E protein is a deleted E protein.
- 15 11. Medicament according to Claim 10, wherein the deleted E protein is a C-terminally deleted E protein.
12. Medicament according to Claim 10, wherein up to about 55 amino acids are deleted.
- 20 13. Medicament according to Claim 1, wherein the fusion protein is present in the form of a capsid and/or capsomer.

14. Medicament according to Claim 1, wherein the HPV is selected from the group consisting of HPV-6, HPV-11, HPV-16, HPV-18, HPV-31, HPV-33, HPV-35, HPV-39, HPV-42, HPV-45, HPV-52 and/or HPV-58.

5 15. Medicament according to Claim 14 in the form of a combination vaccine, wherein the papillomaviruses are selected from the group consisting of HPV-16 and HPV-18 or HPV-18, HPV-31, HPV-45 and HPV-58 or HPV-6 and HPV-11.

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add B7
Add C4
add D5